

State of California
AIR RESOURCES BOARD

Component Executive Order C-U-07-007
GE Plastics – Innovative Product

WHEREAS, Pursuant to California Health and Safety Code, sections 39600, 39601 and 43013, the California Air Resources Board (ARB) has established a certification process for evaporative emission system components designed to control gasoline emissions from small off-road engines, as described in title 13 California Code of Regulations (13 CCR), section 2767.1;

WHEREAS, Pursuant to California Health and Safety Code, section 43013, ARB has established criteria and test procedures for determining the compliance of evaporative emission system components with the design requirements in 13 CCR, section 2754;

WHEREAS, Pursuant to 13 CCR, section 2767.1, ARB Executive Officer may issue an Executive Order if she determines that the small off-road engine evaporative emission system component conforms to the applicable performance requirements set forth in 13 CCR, section 2754;

WHEREAS, Pursuant to Health and Safety Code, sections 39515 and 39516, ARB Executive Officer issued Executive Order G-05-008 delegating to the Chief of ARB Monitoring and Laboratory Division (MLD) the authority to certify small off-road engine evaporative system components; and

WHEREAS, On January 31, 2007, GE Plastics submitted an application for certification, #007-01-31-versionA, attached as Attachment A and incorporated herein, as an innovative product under 13 CCR, section 2767(c) for Xenoy® 6620U-1001GT and Xenoy® 6620-BK1066GT material injection molded fuel tanks.

NOW, THEREFORE, I, William V. Loscutoff, Chief of the MLD, find that the GE Plastics Xenoy® 6620U-1001GT and Xenoy® 6620-BK1066GT material produced following the process and material specifications set out in Attachment A constitute an innovative fuel tank pursuant to 13 CCR, section 2767(c). Fuel tanks produced following GE Plastics process and material specifications are hereby deemed equivalent to those tanks listed in 13 CCR, section 2752(a)(5). This finding is based on GE Plastics demonstration that such tanks have a permeation rate substantially lower than 1.5 grams per square meter per day set forth in 13 CCR, section 2754 when tested at a constant temperature of 40 °C pursuant to TP-901 using an approved test fuel of California Phase II Certification Fuel.

IT IS ORDERED AND RESOLVED that no tank permeation data is required to be submitted in the certification process for equipment using the GE Plastics Xenoy® 6620U-1001GT or Xenoy® 6620-BK1066GT resin for an injection molded fuel tank.

IT IS ORDERED AND RESOLVED that all fuel tanks made from GE Plastics Xenoy® 6620U-1001GT and Xenoy® 6620-BK1066GT resin with minimum average barrier thicknesses equal to or greater than the value listed in Table 1 attached hereto and incorporated herein, and with minimum barrier thickness at any point 10 percent lower than Table 1 values due to molding tolerances, are certified for use in small off-road equipment.

Table 1
Specifications for GE Plastics Xenoy® 6620U-1001GT and Xenoy® 6620-BK1066GT
Fuel Tanks

Minimum Average Barrier Thickness (mm)
2.5

IT IS FURTHER ORDERED that equipment manufacturers utilizing GE Plastics Xenoy® 6620U-1001GT and Xenoy® 6620-BK1066GT resin for fuel tanks shall provide a warranty. The warranty must conform to the requirements of 13 CCR, section 2760.

IT IS FURTHER ORDERED that the certified fuel tank made from GE Plastics Xenoy® 6620U-1001GT and Xenoy® 6620-BK1066GT resin shall be installed in accordance with the manufacturer's installation and use instructions. A copy of this Executive Order and fuel tank installation and use instructions shall be provided to manufacturers purchasing GE Plastics Xenoy® 6620U-1001GT and Xenoy® 6620-BK1066GT resin for fuel tanks for installation on small off-road engines and equipment introduced into commerce in California.

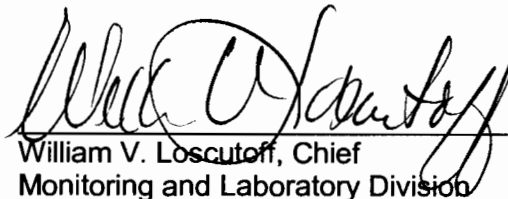
IT IS FURTHER ORDERED that fuel tanks listed in Table 1 shall be clearly identified by a permanent identification that allows ARB to identify manufacturer's name, executive order number, and model number.

IT IS FURTHER ORDERED that any modification of GE Plastics approved process and material specifications for producing a fuel tank made from Xenoy® 6620U-1001GT and Xenoy® 6620-BK1066GT resin hereby are prohibited. Any alteration or modification of the process or material specifications set out in Attachment A of this Executive Order will require the manufacturer to apply for a new Executive Order.

IT IS FURTHER ORDERED that fuel tanks made from GE Plastics Xenoy® 6620U-1001GT and Xenoy® 6620-BK1066GT resin shall be compatible with fuels in common use in California at the time of certification and any modifications to comply with future California fuel requirements shall be approved in writing by the Executive Officer or Executive Officer's delegate.

IT IS FURTHER ORDERED that the component certification obtained by testing fuel tanks made from Xenoy® 6620U-1001GT and Xenoy® 6620-BK1066GT resin submitted by GE Plastics can be referenced in certification applications for small off-road engines and equipment that use small off-road engines unless the Executive Officer finds that fuel tanks made from GE Plastics Xenoy® 6620U-1001GT and Xenoy® 6620-BK1066GT resin no longer meets the performance requirements set forth in 13 CCR, section 2754 when tested pursuant to 13 CCR, section 2765.

Executed at Sacramento, California, this 25th day of April, 2007.


William V. Loscutt, Chief
Monitoring and Laboratory Division